

Serial Number: 09/117,380B

ENTERED

Changed a file from non-ASCII to ASCII

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

Edited a format error in the Current Application Data section, specifically:

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Edited the Current Application Data section with the actual current number. The number inputted by the applicant was  the prior application data; or  other \_\_\_\_\_ **RECEIVED**

Added the mandatory heading and subheadings for "Current Application Data". **AUG 02 1990**

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. **RECORDED**

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

---

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

---

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

---

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included:

---

Deleted extra, invalid, headings used by an applicant, specifically:

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Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  page numbers throughout text;  other invalid text, such as \_\_\_\_\_

Inserted mandatory headings, specifically:

---

Corrected an obvious error in the response, specifically:

---

Edited identifiers where upper case is used but lower case is required, or vice versa.

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Corrected an error in the Number of Sequences field, specifically:

---

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

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Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:

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Other:

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\*Examiner: ~~The above corrections must be communicated to the applicant in the first Office Action.~~ DO NOT send a copy of this form.

RAW SEQUENCE LISTING DATE: 07/25/2000  
PATENT APPLICATION: US/09/117,380B TIME: 13:16:53

Input Set : A:\Pto.amc  
Output Set: N:\CRF3\07252000\1117380B.raw

3 <110> APPLICANT: FRIDKIN, Matityahu  
4 YAVIN, Eran J.  
6 <120> TITLE OF INVENTION: ANTI-INFLAMMATORY PEPTIDES DERIVED FROM C-REACTIVE  
7 PROTEIN  
9 <130> FILE REFERENCE: FRIDKIN=1  
11 <140> CURRENT APPLICATION NUMBER: 09/117,380B  
12 <141> CURRENT FILING DATE: 1999-01-27  
14 <150> PRIOR APPLICATION NUMBER: PCT/IL97/00032  
15 <151> PRIOR FILING DATE: 1997-01-27  
17 <150> PRIOR APPLICATION NUMBER: IL 116976  
18 <151> PRIOR FILING DATE: 1996-01-31  
20 <160> NUMBER OF SEQ ID NOS: 20  
22 <170> SOFTWARE: PatentIn Ver. 2.0  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 4  
26 <212> TYPE: PRT  
27 <213> ORGANISM: Artificial Sequence  
29 <220> FEATURE:  
30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
32 <220> FEATURE:  
33 <223> OTHER INFORMATION: The N-terminal Ala residue is modified with a  
34 methoxysuccinyl group; the C-terminal Val residue  
35 is modified with a nitroanilide group.  
37 <400> SEQUENCE: 1  
38 Ala Ala Pro Val  
39 1  
42 <210> SEQ ID NO: 2  
43 <211> LENGTH: 4  
44 <212> TYPE: PRT  
45 <213> ORGANISM: Artificial Sequence  
47 <220> FEATURE:  
48 <223> OTHER INFORMATION: The N-terminal Ala residue is modified with a  
49 succinyl group; the C-terminal Phe residue is  
50 modified with a nitroanilide group.  
52 <220> FEATURE:  
53 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
55 <400> SEQUENCE: 2  
56 Ala Ala Pro Phe  
57 1  
60 <210> SEQ ID NO: 3  
61 <211> LENGTH: 206  
62 <212> TYPE: PRT  
63 <213> ORGANISM: Homo sapiens  
65 <220> FEATURE:  
66 <223> OTHER INFORMATION: The C-terminal Pro residue is modified with an OH group.  
68 <400> SEQUENCE: 3  
69 Glu Thr Asp Met Ser Arg Lys Ala Phe Val Phe Pro Lys Glu Ser Asp

RAW SEQUENCE LISTING DATE: 07/25/2000  
PATENT APPLICATION: US/09/117,380B TIME: 13:16:53

Input Set : A:\Pto.amc  
Output Set: N:\CRF3\07252000\1117380B.raw

70 1 5 10 15  
72 Thr Ser Tyr Val Ser Leu Lys Ala Pro Leu Thr Lys Pro Leu Lys Ala  
73 20 25 30  
75 Phe Thr Val Cys Leu His Phe Tyr Thr Glu Leu Ser Ser Thr Arg Gly  
76 35 40 45  
78 Tyr Ser Ile Phe Ser Tyr Ala Thr Lys Arg Gln Asp Asn Glu Ile Leu  
79 50 55 60  
81 Ile Phe Trp Ser Lys Asp Ile Gly Tyr Ser Phe Thr Val Gly Ser  
82 65 70 75 80  
84 Glu Ile Leu Phe Glu Val Pro Glu Val Thr Val Ala Pro Val His Ile  
85 85 90 95  
87 Cys Thr Ser Trp Glu Ser Ala Ser Gly Ile Val Glu Phe Trp Val Asp  
88 100 105 110  
90 Gly Lys Pro Arg Val Arg Lys Ser Leu Lys Lys Gly Tyr Thr Val Gly  
91 115 120 125  
93 Ala Glu Ala Ser Ile Ile Leu Gly Gln Glu Gln Asp Ser Phe Gly Gly  
94 130 135 140  
96 Asn Phe Glu Gly Ser Gln Ser Leu Val Gly Asp Ile Gly Asn Val Asn  
97 145 150 155 160  
99 Met Trp Asp Phe Val Leu Ser Pro Asp Glu Ile Asn Thr Ile Tyr Leu  
100 165 170 175  
102 Gly Gly Pro Phe Ser Pro Asn Val Leu Asn Trp Arg Ala Leu Lys Tyr  
103 180 185 190  
105 Glu Val Gln Gly Glu Val Phe Thr Lys Pro Gln Leu Trp Pro  
106 195 200 205  
109 <210> SEQ ID NO: 4  
110 <211> LENGTH: 28  
111 <212> TYPE: PRT  
112 <213> ORGANISM: Homo sapiens  
114 <220> FEATURE:  
115 <221> NAME/KEY: DISULFID  
116 <222> LOCATION: (24)..(25)  
118 <400> SEQUENCE: 4  
119 Ser Phe Thr Val Gly Gly Ser Glu Ile Leu Phe Glu Val Pro Glu Val  
120 1 5 10 15  
122 Thr Val Ala Pro Val His Ile Cys Cys Leu His Phe  
123 20 25  
126 <210> SEQ ID NO: 5  
127 <211> LENGTH: 28  
128 <212> TYPE: PRT  
129 <213> ORGANISM: Artificial Sequence  
131 <220> FEATURE:  
132 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
134 <400> SEQUENCE: 5  
135 Thr Ile Asn Glu Lys Gly Thr Glu Ala Ala Gly Ala Met Phe Leu Glu  
136 1 5 10 15  
138 Ala Ile Pro Met Thr Ile Pro Pro Glu Val Lys Phe  
139 20 25  
142 <210> SEQ ID NO: 6

RAW SEQUENCE LISTING DATE: 07/25/2000  
 PATENT APPLICATION: US/09/117,380B TIME: 13:16:53

Input Set : A:\Pto.amc  
 Output Set: N:\CRF3\07252000\1117380B.raw

143 <211> LENGTH: 13  
 144 <212> TYPE: PRT  
 145 <213> ORGANISM: Artificial Sequence  
 147 <220> FEATURE:  
 148 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 150 <220> FEATURE:  
 151 <221> NAME/KEY: DISULFID  
 152 <222> LOCATION: (9)..(10)  
 154 <400> SEQUENCE: 6  
 155 Val Thr Val Ala Pro Val His Ile Cys Cys Leu His Phe  
 156 1 5 10  
 159 <210> SEQ ID NO: 7  
 160 <211> LENGTH: 23  
 161 <212> TYPE: PRT  
 162 <213> ORGANISM: Artificial Sequence  
 164 <220> FEATURE:  
 165 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 167 <400> SEQUENCE: 7  
 168 Gly Ser Glu Ile Leu Phe Glu Val Pro Glu Val Thr Val Ala Pro Val  
 169 1 5 10 15  
 171 His Ile Cys Cys His Leu Phe  
 172 20  
 175 <210> SEQ ID NO: 8  
 176 <211> LENGTH: 8  
 177 <212> TYPE: PRT  
 178 <213> ORGANISM: Artificial Sequence  
 180 <220> FEATURE:  
 181 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 183 <400> SEQUENCE: 8  
 184 Val Thr Val Ala Pro Val Ser Ile  
 185 1 5  
 188 <210> SEQ ID NO: 9  
 189 <211> LENGTH: 8  
 190 <212> TYPE: PRT  
 191 <213> ORGANISM: Artificial Sequence  
 193 <220> FEATURE:  
 194 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 196 <400> SEQUENCE: 9  
 197 Val Thr Val Ala Pro Val Phe Ile  
 198 1 5  
 201 <210> SEQ ID NO: 10  
 202 <211> LENGTH: 9  
 203 <212> TYPE: PRT  
 204 <213> ORGANISM: Artificial Sequence  
 206 <220> FEATURE:  
 207 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 209 <220> FEATURE:  
 210 <223> OTHER INFORMATION: The C-terminal Pro residue is modified with an  
 211 NH2 group

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 AUG 02 2000  
 TECH CENTER 1600/2000

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/117,380B

DATE: 07/25/2000  
TIME: 13:16:53

Input Set : A:\Pto.amc  
Output Set: N:\CRF3\07252000\1117380B.raw

213 <400> SEQUENCE: 10  
214 Val Thr Val Ala Pro Val His Ile Pro  
215 1 5  
218 <210> SEQ ID NO: 11  
219 <211> LENGTH: 9  
220 <212> TYPE: PRT  
221 <213> ORGANISM: Artificial Sequence  
223 <220> FEATURE:  
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
226 <220> FEATURE:  
227 <223> OTHER INFORMATION: The C-terminal Pro residue is modified with an  
228 NH2 group  
230 <400> SEQUENCE: 11  
231 Val Thr Val Ala Pro Phe His Ile Pro  
232 1 5  
235 <210> SEQ ID NO: 12  
236 <211> LENGTH: 10  
237 <212> TYPE: PRT  
238 <213> ORGANISM: Artificial Sequence  
240 <220> FEATURE:  
241 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
243 <220> FEATURE:  
244 <223> OTHER INFORMATION: The C-terminal Pro residue is modified with an NH2  
245 group  
247 <400> SEQUENCE: 12  
248 Val Thr Val Ala Pro Val His Ile Pro Pro  
249 1 5 10  
252 <210> SEQ ID NO: 13  
253 <211> LENGTH: 8  
254 <212> TYPE: PRT  
255 <213> ORGANISM: Artificial Sequence  
257 <220> FEATURE:  
258 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
260 <220> FEATURE:  
261 <223> OTHER INFORMATION: The N-terminal Val residue may be modified with a  
262 monomethoxy-succinyl group, a 1,adamantyl-NH-CO  
263 group, an a-naphtyl-NH-CO group, an octanoyl group, a  
264 carbobenzoxy protecting group, a 6-actylamino-N-hexanoyl  
265 group, a 9-fluorenylmethoxycarbonyl group, an H-group, a  
266 CH<sub>3</sub>COO(CH<sub>2</sub>)<sub>2</sub>CO group, a CH<sub>3</sub>(CH<sub>2</sub>)<sub>6</sub>CO group, or a CH<sub>3</sub>CONH(CH<sub>2</sub>)<sub>5</sub>CO  
267 group.  
W--> 269 The C-terminal Ile residue may be modified with an OH group  
W--> 270 or an NH2 group,  
272 <400> SEQUENCE: 13  
273 Val Thr Val Ala Pro Val His Ile  
274 1 5  
277 <210> SEQ ID NO: 14  
278 <211> LENGTH: 9  
279 <212> TYPE: PRT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/117,380B

DATE: 07/25/2000  
TIME: 13:16:53

Input Set : A:\Pto.amc  
Output Set: N:\CRF3\07252000\I117380B.raw

280 <213> ORGANISM: Artificial Sequence  
282 <220> FEATURE:  
283 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
285 <220> FEATURE:  
286 <223> OTHER INFORMATION: The N-terminal Phe residue may be modified with a  
287 monomethoxy-succinyl group, a carbobenzoxy  
288 protecting group, a CH<sub>3</sub>OCO(CH<sub>2</sub>)<sub>2</sub>C group, or an H group  
291 The C-terminal Ile residue may be modified with an OH  
W--> 292 group or joined to a polymer  
296 <400> SEQUENCE: 14  
297 Phe Val Thr Val Ala Pro Val His Ile  
298 1 5  
301 <210> SEQ ID NO: 15  
302 <211> LENGTH: 8  
303 <212> TYPE: PRT  
304 <213> ORGANISM: Artificial Sequence  
306 <220> FEATURE:  
307 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
309 <400> SEQUENCE: 15  
310 Leu Glu Ala Ile Pro Met Ser Ile  
311 1 5  
314 <210> SEQ ID NO: 16  
315 <211> LENGTH: 8  
316 <212> TYPE: PRT  
317 <213> ORGANISM: Artificial Sequence  
319 <220> FEATURE:  
320 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
322 <220> FEATURE:  
323 <223> OTHER INFORMATION: Xaa at position 7 is 1,4-(L)diaminobutyric acid  
325 <400> SEQUENCE: 16  
W--> 326 Val Thr Val Ala Pro Val Xaa Ile  
327 1 5  
330 <210> SEQ ID NO: 17  
331 <211> LENGTH: 8  
332 <212> TYPE: PRT  
333 <213> ORGANISM: Artificial Sequence  
335 <220> FEATURE:  
336 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
338 <220> FEATURE:  
339 <223> OTHER INFORMATION: Xaa at position 5 is N-methyl glycine  
341 <400> SEQUENCE: 17  
W--> 342 Val Thr Val Ala Xaa Val His Ile  
343 1 5  
346 <210> SEQ ID NO: 18  
347 <211> LENGTH: 9  
348 <212> TYPE: PRT  
349 <213> ORGANISM: Artificial Sequence  
351 <220> FEATURE:  
352 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/117,380B

DATE: 07/25/2000  
TIME: 13:16:54

Input Set : A:\Pto.amc  
Output Set: N:\CRF3\07252000\I117380B.raw

L:265 M:259 W: Field exceeds allowed number of lines, <223> Other Information:  
L:266 M:259 W: Field exceeds allowed number of lines, <223> Other Information:  
L:267 M:259 W: Field exceeds allowed number of lines, <223> Other Information:  
L:269 M:259 W: Field exceeds allowed number of lines, <223> Other Information:  
L:270 M:259 W: Field exceeds allowed number of lines, <223> Other Information:  
L:292 M:259 W: Field exceeds allowed number of lines, <223> Other Information:  
L:326 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:16  
L:326 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:16  
L:326 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:16  
L:342 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:17  
L:342 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:17  
L:342 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:17  
L:398 M:259 W: Field exceeds allowed number of lines, <223> Other Information:

R. HUTSON

1652

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/117,380B DATE: 05/05/2000  
 TIME: 12:16:14

Input Set : A:\fridkin1.txt  
 Output Set: N:\CRF3\05052000\1117380.raw

3 <110> APPLICANT: FRIDKIN, Matityahu  
 4 YAVIN, Eran J.  
 6 <120> TITLE OF INVENTION: ANTI-INFLAMMATORY PEPTIDES-DERIVED FROM C-REACTIVE  
 7 PROTEIN  
 9 <130> FILE REFERENCE: FRIDKIN=1  
 11 <140> CURRENT APPLICATION NUMBER: 09/117,380  
 12 <141> CURRENT FILING DATE: 1999-01-27  
 14 <150> PRIOR APPLICATION NUMBER: PCT/IL97/00032  
 15 <151> PRIOR FILING DATE: 1997-01-27  
 17 <150> PRIOR APPLICATION NUMBER: IL 116976  
 18 <151> PRIOR FILING DATE: 1996-01-31  
 20 <160> NUMBER OF SEQ ID NOS: 20  
 22 <170> SOFTWARE: PatentIn Ver. 2.0

## ERRORED SEQUENCES

385 <210> SEQ ID NO: 20  
 386 <211> LENGTH: 8  
 387 <212> TYPE: PRT  
 388 <213> ORGANISM: Artificial Sequence  
 390 <220> FEATURE:  
 391 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 393 <220> FEATURE:  
 394 <223> OTHER INFORMATION: The N-terminal Val residue is modified with an H  
 395 group; Thr at position 2 is modified with  
 396 tert.-butyl-ether; His at position 7 is modified  
 397 with trityl; and the C-terminal Ile residue is joined to a  
 W--> 398 polymer  
 400 <400> SEQUENCE: 20  
 401 Val Thr Val Ala Pro Val His Ile  
 402 1 5  
 E--> 408 (1)

Does Not Comply  
 Corrected Diskette Needed

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/117,380DATE: 05/05/2000  
TIME: 12:16:15Input Set : A:\fridkin1.txt  
Output Set: N:\CRF3\05052000\I117380.raw

L:265 M:259 W: Field exceeds allowed number of lines, <223> Other Information:  
L:266 M:259 W: Field exceeds allowed number of lines, <223> Other Information:  
L:267 M:259 W: Field exceeds allowed number of lines, <223> Other Information:  
L:269 M:259 W: Field exceeds allowed number of lines, <223> Other Information:  
L:270 M:259 W: Field exceeds allowed number of lines, <223> Other Information:  
L:292 M:259 W: Field exceeds allowed number of lines, <223> Other Information:  
L:326 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:16  
L:326 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:16  
L:326 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:16  
L:342 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:17  
L:342 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:17  
L:342 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:17  
L:398 M:259 W: Field exceeds allowed number of lines, <223> Other Information:  
L:408 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:20